

## Software Release Notice

**System:** WGS

**Release:** NASA 3.1.3

**Date:** December 8, 2000

### **Modification Description:**

Upgrade for Wallops Ground Station.

The following changes are planned for the Wallops Ground Station software. Modifications that have been completed since the NASA 3.1.1 release.

1. Properly set the switch during G/T automated test.
2. Update the release version number.
3. Fix the track analysis date problem.
4. Fix the uplink frequency offset noticed by EO-1.

### **Files Affected:**

The files that were developed and/or utilized as part of NASA 3.1.3 are listed in Attachment 1: NASA 3.1.3 FILES.

### **Hardware Requirements:**

N/A

### **Validation Procedures:**

Manually configure the HP 3488 switch to have all connections open. Utilizing the NASA 3.1.3 perform an automated G/T test. Notice the switch is automatically set.

Perform an uplink and notice at the end of the uplink that the frequency of the 8780 matches exactly the frequency in the configuration file for that mission.

### **Known Bugs or Limitations:**

Some open DRs may not be resolved in this release due to equipment constraints.

### **Installation Procedure:**

To install this release, first check to see that there is adequate disk space available by typing `df`. There should be at least 150MB available. If not, back-up to tape and then delete old unused releases in the `/home/aaas/releases` directory. Create a `rel3.1.3` directory in the `/home/aaas/releases` directory. Copy the file `nasa3.1.3.tar.Z` in to this directory. Uncompress and `untar nasa3.1.3`. This will create a `bin` directory with the new executables.

Copy (`cp`) the directory `rel3.1.1/etc` to a new `rel3.1.3/etc` directory. Using the copy (`cp`) command will automatically create the new directory and populate it with the contents of the old directory. Modify the `bin` and `etc` links under `/aaas/` to look at the new release directories.

Copy the executables `winPrint` and `pcltrans` (if they exist) from `rel3.1.1/bin` to `rel3.1.3/bin`. Run a `diff` between `NasaStart` in `rel3.1.1/bin` and `rel3.1.3/bin`. If there are differences, then use the older version of `NasaStart`.

Rename the `rel3.1.1/etc` `tapelog` files, `ephtxt.txt` and the `config` directory. Then create links of those files and directory to `rel3.1.3/etc/`. By creating those links then the configuration files are kept up to date no matter what release of software is activated.

Create a script called `sw3.1.1` which will remove the links under `/aaas/` for `bin` and `etc` and restore them to `rel3.1.1/bin` and `rel3.1.1/etc`. Create a script called `sw3.1.3` which will remove the links under `/aaas/` for `bin` and `etc` and link them to `rel3.1.3/bin` and `rel3.1.3/etc`.

### **Activation Procedure:**

SCC 3.1.3 activation procedure (must be installed with ATS 3.3):

(1) Select option "Exit" from the "Session" menu. This action will close the SCC graphical user interface (GUI) and stop all SCC processes. Processes are stopped after "Stopping rci" and "Removing Stale Message Queues" messages are displayed. Hit "enter" to display the SCC command prompt, `wgs-11m >`.

(2) Type `sw3.1.3` to switch to SCC release 3.1.3. Type "Start" to start the SCC processes. The SCC GUI main window will show "NASA Version 3.1.3".

### **Restore Procedure:**

SCC 3.1.1 restore procedure (must be installed with ATS 3.3):

(1) Select option "Exit" from the "Session" menu. This action will close the SCC graphical user interface (GUI) and stop all SCC processes. Processes are stopped after "Stopping rci", and "Removing Stale Message Queues" messages are displayed. Hit "enter" to display the SCC command prompt, `wgs-11m >`.

(2) Type `sw3.1.1` to switch to SCC release 3.1.1. Type "Start" to start the SCC processes. The SCC GUI main window will show "NASA Version 3.1.1".

### **Documentation Affected:**

N/A

### **Comments:**

.

**Approval:**

The software modifications described in this release notice has been validated and accepted.

---

NASA WGS Project Manager

---

Date

**SOFTWARE RELEASED:**

The software modifications described in this release notice have been completed and released to ground station operations.

---

System Manager

---

Date

---

NASA Program Monitor

---

Date

**Attachment 1**  
**NASA 3.1.3 Files**

**The bin Directory:**

AntennaControlStartup  
Displays  
Nasa  
NasaStart  
Start  
Stop  
authent  
configud  
control  
dpsHndlr  
errhandler  
eup  
executive  
file.lst  
getNtpSyncInfo  
ioh  
pcltrans  
pedcont  
postPassShell  
rci  
recon  
recsch  
resetLANGateway  
rmqs  
schedmon  
snyHndlr  
start.awk  
start\_ntp  
status\_l  
stop.awk  
stop\_ntp  
sup  
tapelog  
terminal  
testexec  
time\_code\_handler  
track  
uactask  
winPrint

**The etc Directory:**

**The etc/hpib directory:**

N/A

**The etc/config directory:**

N/A

**The etc/defaults directory:**

N/A